

Your Partner in Power Infrastructure Asset Management

How can you lower cost, increase efficiency & performance in power generation?

FPE S
FLUID POWER
ENGINEERING SOLUTIONS

Fluid Power Engineering Solutions provide specialist filtration, hydraulic services & 'on-line' asset management for critical power generation applications such as turbines & transformers. We have decades of experience with rotating equipment, HV assets, engineering & hydraulics in the mining, oil & gas, power generation and marine sectors.

MECHANICAL SERVICES & SOLUTIONS

POWER-GEN & UTILITIES

Collaboration is key to optimising equipment performance & avoiding unscheduled outages. We partner closely with our clients to manage & deliver value-driven solutions.

- Specialist diesel filtration solutions
- Specialist lube oil, EHC filtration & flushing services
- Oil analysis & tailored oil management program
- GT Intake filtration, maintenance & overhaul services
- Wind turbine filtration
- Service centre of excellence for auxiliary systems; i.e. actuators, starter pumps, motors & valves

HYDRAULICS & FILTRATION SOLUTIONS

Industry leading hydraulic & filtration solutions

- Tailored filtration programs
- Custom cylinder design & manufacture
- Integrated system design & implementation
- Premier Parker Distributor

ON-LINE ASSET MANAGEMENT

Using state of the art sensor technology we provide multi-variant analysis & predictive maintenance solutions. Our technology is open architecture design connecting easily to existing control systems & infrastructure. Collecting key 'change' data for algorithmic interpretation, combined with our application knowledge, we develop bespoke predictive maintenance strategies based on exactly what your equipment is telling us.

We focus on giving our clients no fuss solutions

Reduce unscheduled outages, loss of production, strain on budgets & performance penalties with value driven methods



HV SERVICES & SOLUTIONS

Transformer & High Voltage (HV) Life-cycle Management

FPES and partners recognize that every client is at a different stage of their HV asset life cycle.

Whether the requirement is for a new transformer, or whether a critical asset has to be nursed until an out-age; we are able to assist. Don't have the trend data to make an informed decision? Have an ageing asset and don't know where to start?

- Tx Design & manufacture
- Component supply
- Maintenance & repair
- Condition-based monitoring
- Remote DGA, filtration & analysis
- Testing
- Refurbishing & retrofitting including oven dry out, re-gasketing etc.
- Circuit breaker testing, certification, retrofitting
- Transformer management solutions



CASE STUDY

Hydraulic headache finds pain relief

In a recent example of where two heads are better than one, a valued client in WA was experiencing hydraulic difficulties on their steam turbine application.

PM Control were already on-site upgrading the control system & decided to call their partner Fluid Power Engineering Solutions (FPES) to provide technical knowledge and hydraulic know how to overcome the problem. Through modelling the system in workshop conditions in the first instance, FPES were able to predict how the system would operate in the field.

This saved valuable time for the client, lowered the risk profile of the job considerably and allowed the system to come back on-line in a safe and environmentally responsible way.

**Got a pain-point you want to share?
Let us be part of your future solution story.**

People & Partnerships

As industry leaders in their fields PM Control & Fluid Power Engineering Solutions have come together in partnership to provide next-level solutions for our client base. Not only can we supply and provide technical expertise on your Woodward valve applications; we can also ensure that the oil which is crucial in these systems is of the highest cleanliness level possible.

Oil contamination is responsible for upwards of 80% of hydraulic failures. Our 360 solution in terms of valve management, analysis, filtration and MRO capabilities on auxiliary systems allows us to ensure optimum operating conditions for your specific application.



**For a free consultation get in touch
with our team today**

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